

123rd



2024 SSMA CONVENTION

November 7-9th, 2024
Knoxville, Tennessee
Hilton Knoxville

Event Agenda

School Science and Mathematics Association Annual Convention

Wed, Nov 06, 2024

Thu, Nov 07, 2024

7:30 AM - 8:45 AM

Breakfast

Location: Salon C

9:00 AM - 9:50 AM

Morning Sessions

Infusing Mathematics into Collegiate Chemistry: Impact on Self-Efficacy and Problem-Solving

9:00 AM - 9:50 AM

Location: Salon A

Speakers: Antoinette Gayle, Sean Yee

I'm Scared to Teach Science!: The Stories of Elementary Pre-Service Teachers' Science Experiences

9:00 AM - 9:50 AM

Location: Salon B

Speaker: Elizabeth MacTavish

Every child deserves a well-prepared math/science teacher: An LbSD approach

9:00 AM - 9:50 AM

Location: Salon E

Speakers: Kristi Martin, Andrea Foster

Fostering Future Educator: Fraction Confidence

9:00 AM - 9:50 AM

Location: Salon D

Speakers: Amanda Neff, Emily Cline, Meghan Shave, Sarah Arthur

9:00 AM - 10:15 AM

Workshops

Problem-Based Instruction in Secondary Mathematics Classrooms

9:00 AM - 10:15 AM

Location: Tenase

Speakers: Sarah Ferguson, Denise Polojac-Chenoweth

9:00 AM - 9:25 AM

Morning Sessions

Examining mathematics standards through discursive analysis and a collective memory framework

9:00 AM - 9:25 AM

Location: Sequoyah 1

Speakers: Ashley Schmidt, Daniel Edelen

9:30 AM - 9:55 AM

Morning Sessions

Integrating ChatGPT into Math Methods to Teach the Lesson Planning Process

9:30 AM - 9:55 AM

Location: Sequoyah 2

Speaker: Jamie-Marie Miller

10:00 AM - 10:25 AM

Morning Sessions

Stitching Together: Introducing Inferential Statistics in a Connected Storyline

10:00 AM - 10:25 AM

Location: Salon A

Speaker: Jie-Shi Liew

Tennessee Valley Tri-State LSAMP Alliance

10:00 AM - 10:25 AM

Location: Salon B

Speaker: Steve Elliott

Tell me what I need: Exploring science teacher professional development with narrative research

10:00 AM - 10:25 AM

Location: Salon E

Speakers: Kristen Brown, Molly Weinburgh

Bringing Pandemic Science to the Classroom: Building Public Health Capacity with a Rural High School

10:00 AM - 10:25 AM

Location: Salon D

Speaker: Sahar Alamah

10:35 AM - 11:00 AM

Morning Sessions

Teacher Development through Outdoor Experiential Learning in the Great Smoky Mountain National Park

10:35 AM - 11:00 AM

Location: Salon A

Speakers: Michael Daiga, Mackenzie Hessick

Evaluating the Cognitive Demand and Content of Mathematics Apps for Elementary Students

10:35 AM - 11:00 AM

Location: Salon B

Speakers: Adrienne Redmond-Sanogo, Sandi Cooper

EXPLORING THE IMPACT OF TEACHER CURIOSITY ON JOB SATISFACTION AND SELF-EFFICACY

10:35 AM - 11:00 AM

Location: Salon E

Speaker: Chris Jeffcoat

Catalyzing the Courage to Lead: Mathematics Classroom Teachers as Leaders

10:35 AM - 11:00 AM

Location: Salon D

Speakers: Sarah Bush, Angel Maldonado

Using Instructional Coaching to Support Middle and Secondary PSTs' Use of Purposeful Questions

10:35 AM - 11:00 AM

Location: Sequoyah 1

Speaker: Lianne Jones

Combating Cognitive Dissonance, Bias, and Misinformation with Mathematical Modeling

10:35 AM - 11:00 AM

Location: Sequoyah 2

Speakers: Faith Breitenbach, Will Tidwell, Lauren Rast

10:35 AM - 11:40 AM

Workshops

AI, Math, and children's literature books: Lesson plans and more, Oh My!

10:35 AM - 11:40 AM

Location: Tenase

Speaker: Georgia Cobbs

11:10 AM - 12:00 PM

Morning Sessions

Exploring AI in Math Education: Enhancing Learning and Engagement

11:10 AM - 12:00 PM

Location: Salon A

What is Scientific about the Science of Mathematics?

11:10 AM - 12:00 PM

Location: Salon B

Speaker: Melissa Gunter

Student Interactions with Cognitively Demanding Tasks & The Emergence of Mathematical Practices

11:10 AM - 12:00 PM

Location: Salon E

Speaker: Wendy Lewis

OU's Transformative Tutoring Initiative: A Successful Model for High-Dosage Mathematics Tutoring

11:10 AM - 12:00 PM

Location: Salon D

Speakers: Stacy Reeder, Cristina moershel, Kristyn Sartin, Kayla Pierson, Mandy Howell

11:10 AM - 11:35 AM

Morning Sessions

Have math standardized assessments become a rigged carnival game?

11:10 AM - 11:35 AM
Location: Sequoyah 1
Speaker: Shirley Matteson

11:40 AM - 12:05 PM

Morning Sessions

Place-Based Education and the Secondary Science Teacher: An Expanded View

11:40 AM - 12:05 PM
Location: Sequoyah 2
Speakers: Jake Johnson, Merryn Cole

12:00 PM - 1:30 PM

Lunch

1:45 PM - 2:10 PM

Afternoon Sessions

Rising to New Heights: Integrating PICO Balloons into Science Education

1:45 PM - 2:10 PM
Location: Salon A
Speaker: Bill Thornburgh

Fostering Engineering Identities and Attitudes Through Place-Conscious Learning

1:45 PM - 2:10 PM
Location: Salon B
Speaker: Rebekah Hammack

Exploring the Impact of incorporating AI into Mathematics Classroom

1:45 PM - 2:10 PM
Location: Salon D
Speaker: Eunmi Joung

Effects of an Informal Education Internship Experience on STEM Majors' Interest in Teaching

1:45 PM - 2:10 PM
Location: Salon E
Speakers: Kristin Cook, Jung Colen

1:45 PM - 3:00 PM

Workshops

Yes, you can use a book with a talking groundhog in a science lesson!

1:45 PM - 3:00 PM
Location: Tenase
Speaker: Kristin Rearden

Mathematics For All: PD Courses to Support Advanced Mathematics Pathways for All Secondary Students

1:45 PM - 3:00 PM
Location: Salon C
Speakers: Kacey Diemert, Joshua Watson, Veronica Blackham

2:20 PM - 3:10 PM

Afternoon Sessions

Engineering in an After-School STREAM Project

2:20 PM - 3:10 PM
Location: Salon A
Speakers: Vanessa Morrison, Andrea Milner

An interdisciplinary teaching unit on flood risk

2:20 PM - 3:10 PM
Location: Salon B
Speakers: Audrey Groleau, Mathieu Thibault, Chantal Dery, Irvings Julien, Marco Barroca-Paccard

Preparing Teachers to Integrate Authentic Experiences into Classrooms: A Noyce-Focused Grant

2:20 PM - 3:10 PM
Location: Salon D
Speaker: Gregory Chamblee

Math Modeling & 3D Technology: Promoting Equity in Ambitious Mathematics Instruction

2:20 PM - 3:10 PM
Location: Salon E

2:20 PM - 2:45 PM

Afternoon Sessions

Embrace Artificial Intelligence (AI): Infusing AI in a STEM Summer Institute for Elementary Teachers

2:20 PM - 2:45 PM
Location: Sequoyah 1
Speaker: Sumreen Asim

Affective Benefits of a Culturally Relevant Integrated STEM Informal Learning Opportunity

2:20 PM - 2:45 PM
Location: Sequoyah 2
Speakers: Jacob Martin, Cat Maiorca

2:55 PM - 3:20 PM

Professional Development and Coaching to Implement Mathematical Creative Instructional Practices

Location: Sequoyah 2
Speaker: Fay Quiroz

3:15 PM - 4:00 PM

Fireside Chat and Afternoon Snack

Location: Salon C

4:05 PM - 4:30 PM

Afternoon Sessions

Investigating the Leadership of a Sustained Outdoor Education Professional Development Program

4:05 PM - 4:30 PM
Location: Salon A
Speakers: Mackenzie Hessick, Michael Daiga

The iterative science and engineering instructional model: Three years of innovation and practice

4:05 PM - 4:30 PM
Location: Salon B
Speaker: Julia Calabrese

One Size Does Not Fit All: STEM Teacher Technology Integration with Professional Development

4:05 PM - 4:30 PM
Location: Salon D
Speakers: Curby Alexander, Kristen Brown, Molly Weinburgh

Reflecting on a Two-Year Journey of Teaching a Quantitative Reasoning Course Without a Prerequisite

4:05 PM - 4:30 PM
Location: Salon E
Speaker: Paula Stickle

Investigating the Relationship Between Teacher Beliefs and Student Mindset

4:05 PM - 4:30 PM
Location: Sequoyah 1
Speaker: Will Tidwell

Are we friends now? When collaborations become partnerships and implications for research teams

4:05 PM - 4:30 PM
Location: Sequoyah 2
Speakers: Julie Herron, Emma Bullock, Beth Cory, Amy Ray, Mary Swarthout

4:35 PM - 5:00 PM

Afternoon Sessions

Analyzing Integration of Math, Social Justice, and Pedagogy With Continuous Improvement Lesson Study

4:35 PM - 5:00 PM
Location: Salon A
Speaker: Dittika Gupta

Ethnic Identity and Mathematical Development: Narratives from Preservice Teachers

4:35 PM - 5:00 PM
Location: Salon B
Speaker: Jung Colen

Differentiating Computing Fields through a Summer Computing Camp

4:35 PM - 5:00 PM
Location: Salon D
Speaker: Matthew Perkins Coppola

Hot Topics in Earth Science: Supporting Climate Science Education

4:35 PM - 5:00 PM
Location: Salon E
Speakers: Mackenzie Flynn, Kelly Feille

The Age of the Earth: Science Teachers Negotiating their Internal Conflicts

4:35 PM - 5:00 PM
Location: Sequoyah 1
Speaker: Michael Moultrie

A Systematic Literature Review of the Instrumentation Used in Mathematics Specialist Research

4:35 PM - 5:00 PM
Location: Sequoyah 2
Speakers: Stefanie Livers, Kristin Harbour

Factors Influencing K-8 Math Teachers' Integrated STEM Implementation: Our Perspectives!

4:35 PM - 5:00 PM
Location: Tenase
Speaker: Elizabeth N. Forde

5:05 PM - 5:35 PM

Committee Meetings

Awards and Endowment

5:05 PM - 5:35 PM
Location: Salon A

Conventions

5:05 PM - 5:35 PM
Location: Salon B

Finance

5:05 PM - 5:35 PM
Location: Salon D

Membership

5:05 PM - 5:35 PM
Location: Salon E

Nomination and Election

5:05 PM - 5:35 PM
Location: Sequoyah 1

Policy

5:05 PM - 5:35 PM
Location: Sequoyah 2

Publications

5:05 PM - 5:35 PM
Location: Tenase

5:40 PM - 7:00 PM

Graduate Student Gathering: Cancelled Due to Space in Hotel. Join us for Breakfast tomorrow morning!

Fri, Nov 08, 2024

7:00 AM - 8:45 AM

Breakfast

Location: Salon C

7:45 AM - 8:45 AM

Business Meeting

Location: Salon C

9:00 AM - 9:50 AM

Morning Sessions

Development of Culturally Sensitive Science Curricula Using an Iterative Process

9:00 AM - 9:50 AM

Location: Salon B

Speakers: Sarah McDowell, Angela Just, Kirtika Panwar

Examining Teaching Practices and Beliefs during Design and Implementation of New Curricular Material

9:00 AM - 9:50 AM

Location: Salon D

Speaker: Leighanna Hinojosa

The Role of Cognitive Demand in Pre-Service Teachers edTPA

9:00 AM - 9:50 AM

Location: Salon E

Speaker: Tony Thompson

Convince, understand, teach: Secondary mathematics teachers' choices about using proof

9:00 AM - 9:50 AM

Location: Sequoyah 1

Speaker: David Barker

9:00 AM - 10:15 AM

Workshops

Ungrading: A conversation with teacher educators

9:00 AM - 10:15 AM

Location: Tenase

Speaker: Cacey Wells

Inquiry, Instruction, and Technology, Oh My!

9:00 AM - 10:15 AM

Location: Sequoyah 2

Speakers: Meghan Shave, Sarah Arthur, Amanda Neff

10:00 AM - 10:25 AM

Morning Sessions

Pros/Cons of National/State Databases: Leaning Modality Return to School for COVID era STEM teachers

10:00 AM - 10:25 AM

Location: Salon A

Speakers: Zhan Shi, Molly Weinburgh, John Pecore

Implementing Digital Science Notebooks in an Elementary Science Methods Course

10:00 AM - 10:25 AM

Location: Salon B

Speaker: Karl Jung

Adventure Norway: Outdoor Education for Preservice Teachers

10:00 AM - 10:25 AM

Location: Salon D

Speaker: Kelly Feille

A Case for Epigenetics: Adapting Learning Progressions for Modern-Day Genetics

10:00 AM - 10:25 AM

Location: Salon E

Speaker: Gracie Davis

10:00 AM - 10:25 AM

Three-Minute Thesis

Cherokee Student Perceptions of Culturally Relevant Mathematics Practices:

CANCELED

10:00 AM - 10:25 AM

Location: Sequoyah 1

Speaker: Tonya Campbell

Exploring Teachers' Anti-Deficit Approaches and Perspectives in Black Students' Math Performance

10:00 AM - 10:25 AM

Location: Sequoyah 1

A Study on Conceptual Knowledge in Descriptive Statistics for University Students

10:00 AM - 10:25 AM

Location: Sequoyah 1

Speaker: Jie-Shi Liew

10:35 AM - 11:00 AM

Morning Sessions

Using Authentic Research to Increase Science Self-Efficacy in High School Biology

10:35 AM - 11:00 AM
Location: Salon A
Speaker: Anne Byford

College Students Approaches to Planning Science Outreach

10:35 AM - 11:00 AM
Location: Salon B
Speaker: Merryn Cole

Quantum is Elementary: Designing for Complex Reasoning in Elementary STEM

10:35 AM - 11:00 AM
Location: Salon D
Speakers: Nancy Holincheck, Jennifer Simons

Chessboard Math: A Game-Based Approach to Common Factors & Multiples in 6th Grade Number Systems

10:35 AM - 11:00 AM
Location: Salon E
Speakers: Yun-Chi Tsou, Kuan-Chun Chen

Exploring a National Policy Framework for Equitable and Effective Undergraduate STEM Education

10:35 AM - 11:00 AM
Location: Sequoyah 1
Speaker: Sean Yee

10:35 AM - 11:50 AM

Workshops

A Engineering Education course for Preservice K-8 Teachers

10:35 AM - 11:50 AM
Location: Sequoyah 2
Speaker: Matthew Perkins Coppola

Visualizing a Vision

10:35 AM - 11:50 AM
Location: Tenase
Speaker: Ashley Whitehead

11:10 AM - 12:00 PM

Morning Sessions

Syllabi Share for Secondary Mathematics Methods Courses

11:10 AM - 12:00 PM
Location: Salon A
Speakers: Keith Kerschen, Ryann N. Shelton

History of Mathematics in the Classroom: A Focus on Cultures

11:10 AM - 12:00 PM
Location: Salon B
Speaker: Brian Evans

National Policy Document to Frame Equitable and Effective Undergraduate STEM Education

11:10 AM - 12:00 PM
Location: Salon D
Speaker: Sean Yee

The Joy of Integrated STEAM Teaching and Learning Committed to Equity, Diversity, and Inclusion

11:10 AM - 12:00 PM
Location: Salon E
Speaker: Colleen Eddy

Using Authentic Word Problems in Math Classrooms and Implementing Reciprocal Teaching to Solve Them

11:10 AM - 12:00 PM
Location: Sequoyah 1
Speakers: Joanne Philhower, Mary L. Dalton

12:00 PM - 1:30 PM

Lunch/Keynote

Location: Salon C

Keynote

12:00 PM - 1:30 PM

1:45 PM - 2:10 PM

Afternoon Sessions

What do students learn during an interdisciplinary unit on flood risk?

1:45 PM - 2:10 PM

Location: Salon A

Speakers: Audrey Groleau, Mathieu Thibault, Chantal Dery, Irvings Julien, Marco Barroca-Paccard

Exploring the Impact of Professional Development on New Teachers' Mathematical Creativity

1:45 PM - 2:10 PM

Location: Salon E

Speaker: Fay Quiroz

Enhancing Culturally Relevant Math Tasks through Cognitive Demand and Cultural Connection Framework

1:45 PM - 2:10 PM

Location: Sequoyah 1

Speakers: Dittika Gupta, Alesia Moldavan

The Continuous Improvement Pipeline: Building District and Regional Math PD Infrastructure

1:45 PM - 2:10 PM

Location: Sequoyah 2

Speakers: Joshua Watson, Becca Hill

1:45 PM - 3:00 PM

Workshops

Collaborative Efforts to De-silo Prospective Teachers' Experiences in Secondary Methods Courses

1:45 PM - 3:00 PM

Location: Tenase

Speakers: Farshid Safi, Luisa Placido, Angel Maldonado

2:20 PM - 3:10 PM

Afternoon Sessions

Using Video Club to Engage Elementary PSTs Noticing during Mathematics Instruction

2:20 PM - 3:10 PM

Location: Salon A

Speakers: Sandi Cooper, Margeaux Smith, Blaire Thornton

Cherokee Student Perceptions of Culturally Relevant Mathematics Practices: CANCELED

2:20 PM - 3:10 PM

Location: Salon B

Speaker: Tonya Campbell

Understanding the Fixed Mathematical Mindset: Unpacking Roots and Causes

2:20 PM - 3:10 PM

Location: Salon D

Speakers: Rich Busi, James Willingham

Children's Co-constructed Authority Relationships

2:20 PM - 3:10 PM

Location: Salon E

Speakers: Daniel Edelen, Sarah Bush

Bridging Tech and Pedagogy: A Tool for Analyzing AI-Generated Elem Math Lesson Plans

2:20 PM - 3:10 PM

Location: Sequoyah 1

Speaker: Adrienne Redmond-Sanogo

3:20 PM - 3:45 PM

Afternoon Sessions

The Future of Math and Science Education through the Lens of Disruptive Innovations

3:20 PM - 3:45 PM
Location: Salon A
Speaker: Brian Evans

Simplifying STEM: Four Equitable Practices to Inspire Meaningful Learning

3:20 PM - 3:45 PM
Location: Salon B
Speakers: Christa Jackson, Margaret Mohr-Schroeder, Kristin Cook, Sarah Bush, Cat Maiorca, Thomas Roberts

Climate Change: Examining the Perspective of the Climate for Women STEM faculty

3:20 PM - 3:45 PM
Location: Salon D
Speaker: Molly Weinburgh

Retrieval practice and journaling to reduce PST's math anxiety and improve self-efficacy

3:20 PM - 3:45 PM
Location: Salon E
Speaker: Jessica de la Cruz

Science Education in Alternative School Settings

3:20 PM - 3:45 PM
Location: Sequoyah 1
Speaker: Maizie Dyess

Understanding Math Trauma

3:20 PM - 3:45 PM
Location: Sequoyah 2
Speaker: Melissa Gunter

Empowering Young Minds: Middle School Girl, A's Exploration in STEM Camp

3:20 PM - 3:45 PM
Location: Tenase
Speaker: Li Sun

4:00 PM - 4:25 PM

Afternoon Sessions

The Role of the Faculty Mentor in Physics Undergraduate Research Experiences

4:00 PM - 4:25 PM
Location: Salon A
Speakers: Jennifer Wilhelm, Heather McCall, Cameron Richards

Engaging in Computer Science and Computational Thinking with Early Childhood Pre-service Teachers

4:00 PM - 4:25 PM
Location: Salon B
Speaker: Bridget Miller

Year-long Teaching Residency Pilot: Reflections from Secondary Math and Science Clinical Teachers

4:00 PM - 4:25 PM
Location: Salon D
Speakers: Julie Mills, Melanie Fields, Shannon Manley

Project-Based Mathematics as Pedagogy for Developing Student Voice

4:00 PM - 4:25 PM
Location: Salon E
Speaker: Amy Corp

A Chemistry Professor's Multimodal Discursive Teaching Practices

4:00 PM - 4:25 PM
Location: Sequoyah 2
Speaker: Heather Thompson

Enhancing the Recruitment of Undergraduate Science Majors into Secondary Science Teaching

4:00 PM - 4:25 PM
Location: Tenase
Speaker: Lisa Marco-Bujosa

5:00 PM - 6:15 PM

Keynote: Dr. Mary Lin

Location: Salon C

6:15 PM - 7:45 PM

Reception and Poster Session

Location: Firefly

Increasing Student Engagement and Preparedness in an Introductory Biology Lab through Notebooks

6:15 PM - 7:45 PM

Location: Firefly

Speaker: Carmella Kilburn

EXAMINING STUDENTS' REASONING WITH REPRESENTATIONS

6:15 PM - 7:45 PM

Location: Firefly

Speaker: Soo Yeon Shin

BRIDGING MATH AND CULTURE: WAYUU WEAVING TRADITIONS

6:15 PM - 7:45 PM

Location: Firefly

Speaker: Alejandra Angarita

Pre-Service Teachers' Computational Thinking: Thematic Analysis Before & After Unit Exploration

6:15 PM - 7:45 PM

Location: Firefly

Speaker: Bridget Miller

Math and Science Experiences and Preservice Teachers' Professional Identity

6:15 PM - 7:45 PM

Location: Firefly

Sat, Nov 09, 2024

7:30 AM - 8:45 AM

Breakfast

Location: Salon C

9:00 AM - 9:50 AM

Morning Sessions

The Landscape of Mathematics Research Partnerships from 1989-2023

9:00 AM - 9:50 AM

Location: Salon A

Speakers: Colleen Eddy, Trena Wilkerson, Lianne Jones, Karen Enderle

Are You Positive It, or Positive?

9:00 AM - 9:50 AM

Location: Salon B

Speaker: Charles Emenaker

Developing teaching practices with high-dosage tutors in a university-school partnership

9:00 AM - 9:50 AM

Location: Salon D

Speakers: Mandy Howell, Kristyn Sartin

9:00 AM - 10:15 AM

Workshops

Get the Facts Out: Sharing Facts About STEM Teaching to Promote and Professionalize Teaching

9:00 AM - 10:15 AM

Location: Tenase

Speaker: Sarah Dyess

9:30 AM - 9:55 AM

Morning Sessions

Exploring the Effect of Gamification on Teachers Perspectives and Their Mathematics Learning

9:30 AM - 9:55 AM

Location: Sequoyah 1

10:00 AM - 10:25 AM

Morning Sessions

A Tale of Two Eclipses: Science Outreach During the 2023 and 2024 Solar Eclipses

10:00 AM - 10:25 AM

Location: Salon A

Speakers: Jake Johnson, Merryn Cole

"You Do, We Do, I Do, in STEM Classrooms: Active Student Learning Top 10 Classroom Ideas

10:00 AM - 10:25 AM

Location: Salon B

Speaker: Alan Zollman

Who is STEM for?: Shifts in Elementary Teachers' Assumptions about STEM and Students

10:00 AM - 10:25 AM

Location: Salon D

Speaker: Nancy Holincheck

Passing Statistics with Flight: Engaging Middle Schoolers in STEM Activities with Bloom's Taxonomy

10:00 AM - 10:25 AM

Location: Salon E

Speakers: Kuan-Chun Chen, Ho-Feng Chueh, Cheng-Yao Lin

Promote Equity-based Mathematics Teaching by Leveraging TPACK

10:00 AM - 10:25 AM

Location: Sequoyah 1

Speaker: Christie Martin

10:35 AM - 11:00 AM

Morning Sessions

A Brief History of Mathematical Cryptography

10:35 AM - 11:00 AM

Location: Salon A

Speaker: Charles Emenaker

Mathematics in the Wild

10:35 AM - 11:00 AM

Location: Salon B

Speaker: Cacey Wells

There Ain't No Creativity in K-12 Mathematics!?! Challenging a Mindset

10:35 AM - 11:00 AM

Location: Salon D

Speaker: Amy Ray

MATHEMATICS SELF-EFFICACY AND MATH ACHIEVEMENT OF AFRICAN AMERICAN MALES IN EIGHTH GRADE ALGEBRA I

10:35 AM - 11:00 AM

Location: Salon E

Speaker: Sue Brown

11:10 AM - 11:35 AM

Morning Sessions

Analyzing Type of Geometry Questions in University Entrance Exams: Turkey, Iran, and USA

11:10 AM - 11:35 AM

Location: Salon A

Developing Pre-Service Teachers: Mathematical Questioning

11:10 AM - 11:35 AM

Location: Salon B

Speakers: Emily Cline, Meghan Shave

Understanding the Perspectives and Experiences of a Teacher Utilizing Trauma-Informed Strategies

11:10 AM - 11:35 AM

Location: Salon D

Engagement in Prairie Phenology: Efficacy of Undergraduate Science and Non-Science Majors

11:10 AM - 11:35 AM

Location: Salon E

Speakers: Ashley Titus, Molly Weinburgh

What Do PSTs Attend To?: Exploration of PSTs' Stances When Making Callouts During Video Clubs

11:10 AM - 11:35 AM

Location: Sequoyah 1

Speakers: Melissa Donham, Sandi Cooper, Lianne Jones, Margeaux Smith

Findings from an Experimental Study of MathSpring, Personalized Affective Math Learning Platform

11:10 AM - 11:35 AM

Location: Sequoyah 2

Speaker: Megan Schneider